



NAVSEA 04L5
Configuration Audits
Validations
Root Cause Analysis

13-15 July 2004

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Configuration Audits, Validations and Root Cause Analysis

- **Configuration Audits**
 - **Background**
 - **Configuration Accuracy**
 - **Audit Ships**
 - **4th Quarter FY04 Schedule**
 - **FY05 Strategy**
 - **Issues**
- **Root Cause Analysis**
- **Validations**

Configuration Audits

- **Background:**

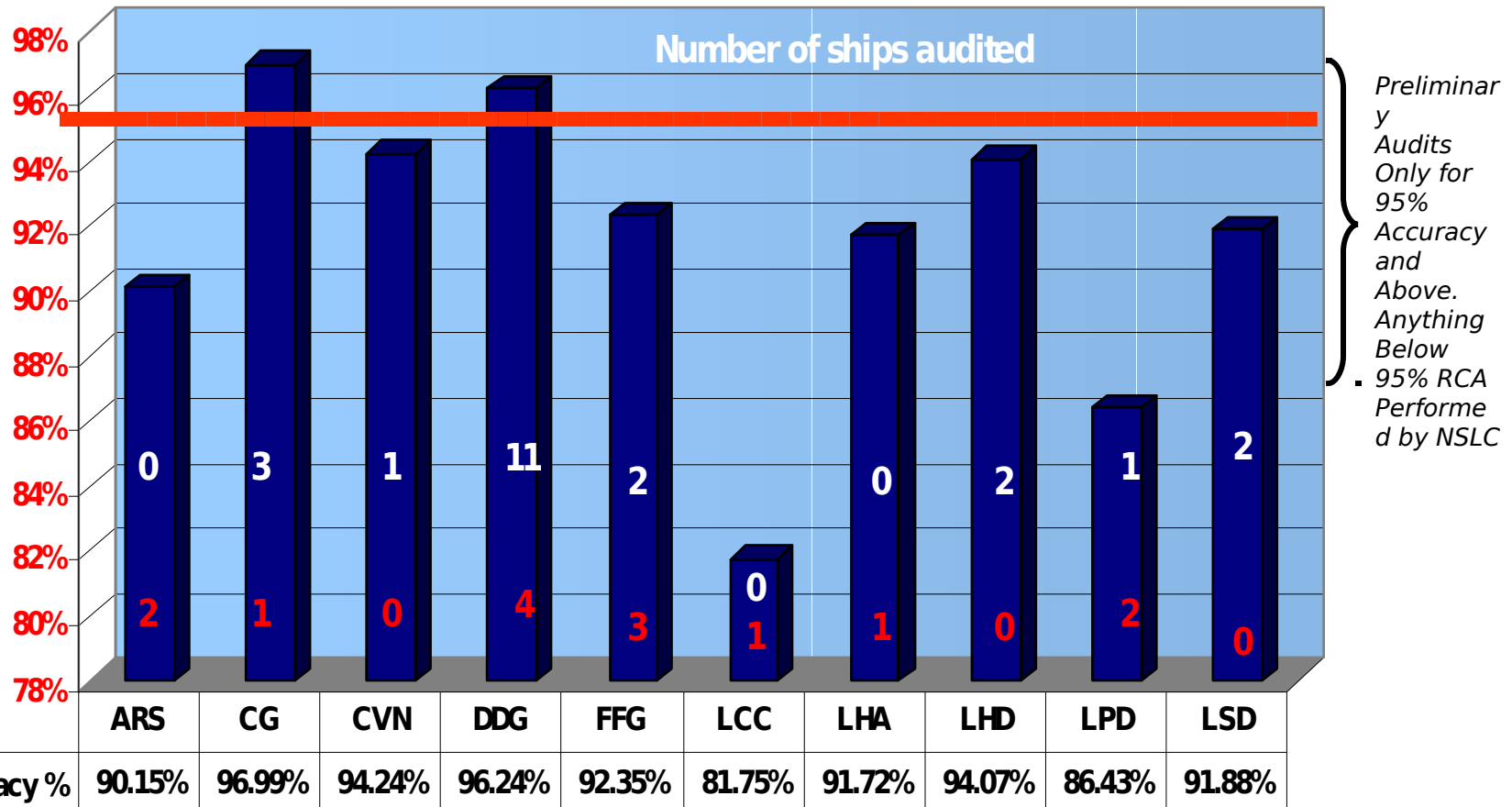
- Response to Fleet concerns
- Independent Audit Team established in FY03
- Limited to East Coast due to funding constraints
- What is the CM accuracy of ships?
- Statistically Valid Random Sample
- Representative sample of each ship class to get accurate baseline of total ship configuration accuracy
- 37 Audits completed to date
- 6 Ships scheduled for 4th Quarter FY04

***Statistically valid ship configuration
accuracy***



Configuration Audits

Audit Accuracy by ship class
(combination of final and preliminary results)



White numbers on bars represent # of final results

Data updated 29JUN04

CG-56 data not included - pending additional research

Red numbers on bars represent # of preliminary results

4 15 June 04

Ms Linda Kennedy/Mr Keith

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Configuration Audits

Audit Ships

| SHIP NAME/HULL | SHIP NAME/HULL |
|--------------------------------|--------------------------------|
| USS GRASP (ARS 51) | USS PORTER (DDG 78) |
| USS GRAPPLE (ARS-53) | USS WINSTON CHURCHILL (DDG 81) |
| USS LEYTE GULF (CG-55) | USS BULKELEY (DDG 84) |
| USS SAN JACINTO (CG-56) | USS MASON (DDG 87) (Twice)* |
| USS HUE CITY (CG 66) | USS DEWERT (FFG 45) |
| USS CAPE ST GEORGE (CG 71) | USS NICHOLAS (FFG 47) |
| USS VELLA GULF (CG 72) | USS HAWES (FFG-53) |
| USS GEORGE WASHINGTON (CVN 73) | USS ELROD (FFG 55) |
| USS ARLEIGH BURKE (DDG 51) | USS KAUFFMAN (FFG-59) |
| USS BARRY (DDG-52) | USS MOUNT WHITNEY (LCC-20) |
| USS STOUT (DDG-55) | USS SAIPAN (LHA 2) |
| USS RAMAGE (DDG 61) | USS KEARSARGE (LHD 3) |
| USS GONZALES (DDG 66) | USS BATAAN (LHD 5) |
| USS THE SULLIVANS (DDG-68) | USS SHREVEPORT (LPD 12) |
| USS ROSS (DDG 71) | USS TRENTON (LPD 14) |
| USS MAHAN (DDG 72) | USS PONCE (LPD-15) |
| USS MCFAUL (DDG 74) | USS WHIDBEY ISLAND (LSD 41) |
| USS DONALD COOK (DDG-75) | USS OAK HILL (LSD 51) |



Configuration Audits

4th QTR FY04 Schedule

07/05 - 07/09/04 USS DEVASTATOR MCM-6
07/12 - 07/16/04 USS SENTRY MCM-3
07/19 - 07/23/04 USS OSPREY MHC-51
08/02 - 08/13/04 USS IWO JIMA LHD-7
08/16 - 08/27/04 USS ASHLAND LSD-48
08/30 - 09/24/04 USS T ROOSEVELT CVN-71
(CILS-TAT VALIDATION)

- **FY-05 Strategy:**
 - Expand efforts to include west coast ships.
 - Explore efficiencies through combining CILS-TAT (G-CAT) Validations with Audits.
- **Issues (VWG Action)**
 - TOMCAT filtering changes
 - Placeholder for X-RICS
 - X-MAMs
 - Lighting/Connection boxes
 - Timing of CSM Analysis
 - Schedule Coordination

Root Cause Analysis

- **Current Status:**

- Root Cause Analysis now done only on ships with accuracy rates below 95%
- Number completed: 22
- In progress: 1
- Discrepancies captured for trending analysis
- Metrics under construction
 - Current discrepancy categories require too much explanation

Identify and fix the problem at the front end

Root Cause Analysis (cont.)

- **Systemic/Class-wide Issues**

- Parent/Child Relationships
- Life Cycle Maintenance (S/F and SIMA)
- Alterations
 - Deletes
 - Factory Installed Alterations
 - Support equipment affected by alteration
- Portable Equipment
 - Inherently difficult to manage
 - Manage support items in addition to equipage
 - Manage the APLs in addition to AELs
- RADIACS/Halon System/Integrated Shipboard Network System (ISNS)/IC

Identify and fix the problem at the front end

Validations

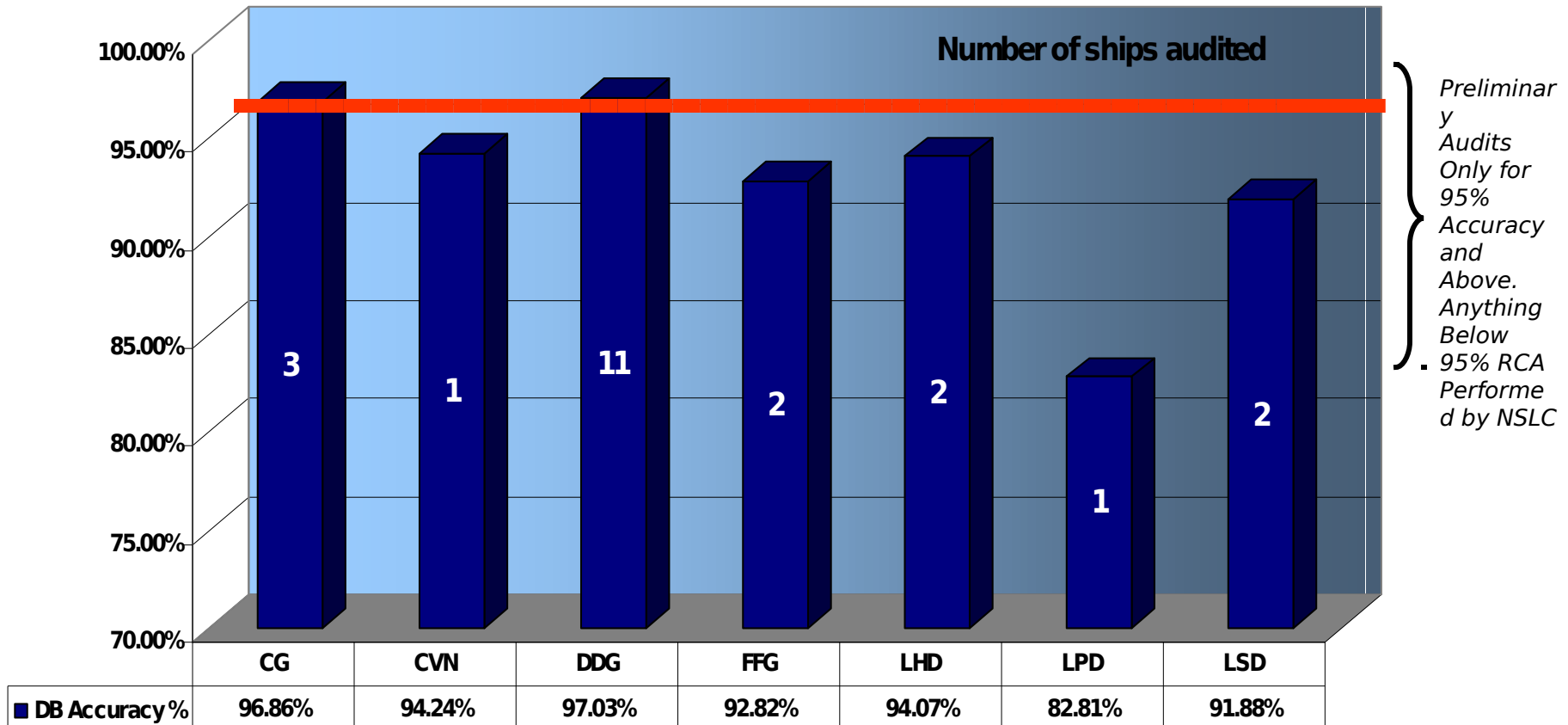
- **CFFC directed RMC to divest of reimbursable work**
- **RMC logistics efforts driven by maintenance teams**
 - ILO effort changing to support maintenance teams and RMMCO
- **Audit Team to conduct CILS-TAT validations**
- **Unknowns**
 - Class-wide analysis (VWG Action)
 - DC4-ILO/DBR (VWG Action)
 - PMR role/interface outside industrial availability (MOA)

Waterfront landscape has changed!

Backup Slide

Configuration Audits

Audit Accuracy by ship class



Data updated 29JUN04

CG-56 data not included - pending additional research